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Notice of Allowability	Application No.	Applicant(s)	
	10/507,205	ROSSKOPF ET AL.	
	Examiner	Art Unit	
	Hoai-An D. Nguyen	2858	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed on 03/02/2006.
2. ☒ The allowed claim(s) is/are 16-20 and 22.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>03032006</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

DETAILED ACTION

1. Receipt is acknowledged of the Amendment filed on March 2, 2006. Claims 16-20 and 22 are pending in the application.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Felix J. D'Ambrosio (Reg.# 25,721) at 703-683-0500 on March 2, 2006. The purpose of the examiner's amendment was to particularly point out and to distinctly claim the invention in order to place this application in the condition for allowance. See attached form PTOL-413B.

3. The application has been amended as follows:

IN THE CLAIMS:

Claim 19:

- Line 8: -- , -- has been inserted before "wherein".
- Lines 9 and 10 have been deleted.
- Line 11: "includes" has been replaced with -- include --.
- Line 12: "." has been replaced with -- ; and --.

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- -- said regulating circuit has a transistor, that is turned-on in operation by a measured-value-dependent control signal generated by said electronics. -- has been inserted as new lines after line 12.

Claim 20:

- Line 8: -- , -- has been inserted before “wherein”.
- -- said electronics include a regulating circuit for adjustment of the signal current (I) as a function of the measurement signal; -- has been inserted between line 8 and line 9 as new lines.

The following is a marked-up version of claims 19 and 20:

19. (Currently Amended) A transmitter comprising:

a sensor that serves to register a physical quantity (X) and convert converts such into an electrical quantity;

electronics that convert the electrical quantity into a measurement signal and that make the measurement signal available over an electrical current-loop output in the form of a signal current (I) corresponding to the physical quantity; and

a pick-up unit having a magnetoresistive element, whose resistance changes as a function of the magnetic flux (Φ) produced by the signal current (I), wherein:

~~said regulating circuit has a transistor, that is turned-on in operation by a measured-value-dependent control signal generated by said electronics, and~~

said electronics ~~includes~~ include a regulating circuit for adjustment of the signal current (I) as a function of the measurement signal[~~[.]~~] ; and

said regulating circuit has a transistor, that is turned-on in operation by a measured-value-dependent control signal generated by said electronics.

20. (Currently Amended) A transmitter comprising:

a sensor that serves to register a physical quantity (X) and convert converts such into an electrical quantity;

electronics that convert the electrical quantity into a measurement signal and that make the measurement signal available over an electrical current-loop output in the form of a signal current (I) corresponding to the physical quantity; and

a pick-up unit having a magnetoresistive element, whose resistance changes as a function of the magnetic flux (Φ) produced by the signal current (I), wherein:

said electronics include a regulating circuit for adjustment of the signal current (I) as a function of the measurement signal;

an instantaneous signal current registered by means of said pick-up unit is fed to said regulating circuit for regulation of the physical-quantity-dependent, signal current (I); and

a regulating behavior of said regulating circuit is adjustable by one or more adjustment variables (K1 , K2, K3).

REASONS FOR ALLOWANCE

4. Claims 16-20 and 22 are allowed.

5. The following is an examiner's statement of reasons for allowance:

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With regard to claim 19, the prior art does not teach, suggest or render obvious the claimed transmitter in combination as claimed including:

- The electronics include a regulating circuit for adjustment of the signal current as a function of the measurement signal; and
- The regulating circuit having a transistor that is turned-on in operation by a measured-value-dependent control signal generated by the electronics.

With regard to claim 20, the prior art does not teach, suggest or render obvious the claimed transmitter in combination as claimed including:

- The electronics include a regulating circuit for adjustment of the signal current as a function of the measurement signal; and
- A regulating behavior of the regulating circuit being adjustable by one or more adjustment variables (K1, K2, K3).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

CONTACT INFORMATION


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hoai-An D. Nguyen whose telephone number is 571-272-2170. The examiner can normally be reached on M-F (8:00 - 5:30) First Friday Off.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Diane Lee can be reached on 571-272-2399. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Hoai-An D. Nguyen
Examiner
Art Unit 2858
HAN


DIANE LEE
SUPERVISORY PATENT EXAMINER